## BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work: Modified Estimate for Construction of RCC drains and culverts at Best county-II and III and G-Ramaiah layout, sai Archid and surrounding area in ward no: 03 Yelahanka satellite Town Sub division**

| Sl No | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | in Rs | in Rs |
| 1 | KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19. | | | | | | | | |
| | **RCC Drain** | Cum | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 371.80 | 1.20 | 1.00 | 446.16 | | |
| | G Ramaiah Layout main road- W0761 west SIDE (From Hesaraghatta Main Road) | | 1 | 262.30 | 1.10 | 1.02 | 294.30 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | 1.10 | 0.92 | 3.54 | | |
| | Best county II, 1st B main road - W0789 West side ( from vinayaka temple road) | | 1 | 174.60 | 1.10 | 1.04 | 199.74 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 1 | 226.70 | 1.10 | 1.03 | 256.85 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 1 | 221.40 | 1.10 | 1.03 | 250.85 | | |
| | Best county II, 2nd main road-W0781 West side ( from 1st cross road ) | | 1 | 221.20 | 1.10 | 1.03 | 250.62 | | |
| | Best county II, 3rd main road - W0775 East side ( from vinayaka temple road ) | | 1 | 200.10 | 1.10 | 1.02 | 224.51 | | |
| | Best county II,3rd main road -W0775 - W0775 west side ( from 1cross road ) | | 1 | 223.40 | 1.10 | 1.02 | 250.65 | | |
| | vinayaka temple road- W0789 south side ( from 3rd main road ) | | 1 | 40.90 | 1.10 | 1.05 | 47.24 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 1 | 50.00 | 1.10 | 1.05 | 57.75 | | |
| | Cross Road | | 1 | 110.00 | 1.10 | 1.00 | 121.00 | | |
| | **For Kerb Stone** | | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 362.00 | 0.20 | 0.20 | 14.48 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.80 | 0.20 | 0.20 | 0.15 | | |
| | G Ramaiah Layout main road- W0761 West SIDE (From Hesaraghatta Main Road) | | 1 | 380.00 | 0.20 | 0.20 | 15.20 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | 0.20 | 0.20 | 0.14 | | |
| | Cross Road 1 North Side(From Sai Baba Maindir Road) | | 1 | 43.50 | 0.20 | 0.20 | 1.74 | | |
| | **Culvert** | | 11 | 6.94 | 1.40 | 0.87 | 92.98 | | |
| | | | | | | | **2527.91** | 211.79 | **535386.59** |
| | Approved Rate Rs.= | 211.79 | | | | | | | |
| 2 | KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour,HOM completed as per specifications | | | | | | | | |
| | **RCC Drain** | Cum | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 371.80 | 1.20 | 0.15 | 66.92 | | |

| | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | In Rs | In Rs |
| | G Ramaiah Layout main road- W0761 west SIDE (From Hesaraghatta Main Road) | | 1 | 262.30 | 1.10 | 0.15 | 43.28 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | 1.10 | 0.15 | 0.58 | | |
| | Best county II, 1st B main road - W0789 West side ( from vinayaka temple road) | | 1 | 174.60 | 1.10 | 0.15 | 28.81 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 1 | 226.70 | 1.10 | 0.15 | 37.41 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 1 | 221.40 | 1.10 | 0.15 | 36.53 | | |
| | Best county II, 2nd main road-W0781 West side ( from 1st cross road ) | | 1 | 221.20 | 1.10 | 0.15 | 36.50 | | |
| | Best county II, 3rd main road - W0775 East side ( from vinayaka temple road ) | | 1 | 200.10 | 1.10 | 0.15 | 33.02 | | |
| | Best county II,3rd main road -W0775 - W0775 west side ( from 1cross road ) | | 1 | 223.40 | 1.10 | 0.15 | 36.86 | | |
| | vinayaka temple road- W0789 south side ( from 3rd main road ) | | 1 | 40.90 | 1.10 | 0.15 | 6.75 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 1 | 50.00 | 1.10 | 0.15 | 8.25 | | |
| | Cross Road | | 1 | 110.00 | 1.10 | 0.15 | 18.15 | | |
| | **For Kerb Stone** | | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 362.00 | 0.20 | 0.10 | 7.24 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.80 | 0.20 | 0.10 | 0.08 | | |
| | G Ramaiah Layout main road- W0761 West SIDE (From Hesaraghatta Main Road) | | 1 | 380.00 | 0.20 | 0.10 | 7.60 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | 0.20 | 0.10 | 0.07 | | |
| | Best county II, 1st B main road - W0789 west side (from vinayaka temple road) | | 1 | 174.60 | 0.20 | 0.10 | 3.49 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 1 | 226.70 | 0.20 | 0.10 | 4.53 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 1 | 221.40 | 0.20 | 0.10 | 4.43 | | |
| | Best county II, 2nd main road - W0781 West side ( from 1st cross road ) | | 1 | 210.00 | 0.20 | 0.10 | 4.20 | | |
| | Best county II, 3rd main road - W0775 east side (from vinayaka temple road) | | 1 | 200.10 | 0.20 | 0.10 | 4.00 | | |
| | Best county II, 3rd main road - W0775 west side (from 1cross road) | | 1 | 200.00 | 0.20 | 0.10 | 4.00 | | |
| | vinayaka temple road south side (from 3rd main road) | | 1 | 40.90 | 0.20 | 0.10 | 0.82 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 1 | 50.00 | 0.20 | 0.10 | 1.00 | | |
| | **Culvert** | | 11 | 6.94 | 1.40 | 0.15 | 16.03 | | |
| | | | | | | | **410.54** | 4479.56 | **1839047.07** |
| | Approved Rate Rs.= | 4479.56 | | | | | | | |
| 3 | KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for RCC work including Straightening, cutting, bending, hooking, placing in position, lapping and/or welding whereever required, tying with binding wire and anchoring to the adjoining members whereever necessary completed as per design ans specification. | | | | | | | | |
| | | Ton | | | | | | | |
| | **For drain** | | 1 | 715.02 | | 0.06 | 42.90 | | |
| | **For culvert** | | 1 | 34.33 | | 0.09 | 3.09 | | |

| | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | In Rs | In Rs |
| | Approved Rate Rs.= | 72326.98 | | | | | 45.99 | 72326.98 | 3326381.17 |
| 4 | Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. | | | | | | | | |
| | **RCC Drain** | Cum | | | | | | | |
| | **Raft** | | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 371.80 | 0.90 | 0.15 | 50.19 | | |
| | G Ramaiah Layout main road- W0761 west SIDE (From Hesaraghatta Main Road) | | 1 | 262.30 | 1.00 | 0.15 | 39.35 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | 1.00 | 0.15 | 0.53 | | |
| | Best county II, 1st B main road - W0789 West side ( from vinayaka temple road) | | 1 | 174.60 | 1.00 | 0.15 | 26.19 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 1 | 226.70 | 1.00 | 0.15 | 34.01 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 1 | 221.40 | 1.00 | 0.15 | 33.21 | | |
| | Best county II, 2nd main road-W0781 West side ( from 1st cross road ) | | 1 | 221.20 | 1.00 | 0.15 | 33.18 | | |
| | Best county II, 3rd main road - W0775 East side ( from vinayaka temple road ) | | 1 | 200.10 | 1.00 | 0.15 | 30.02 | | |
| | Best county II,3rd main road -W0775 - W0775 west side ( from 1cross road ) | | 1 | 223.40 | 1.00 | 0.15 | 33.51 | | |
| | vinayaka temple road- W0789 south side ( from 3rd main road ) | | 1 | 40.90 | 1.00 | 0.15 | 6.14 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 1 | 50.00 | 1.00 | 0.15 | 7.50 | | |
| | Cross Road | | 1 | 110.00 | 1.00 | 0.15 | 16.50 | | |
| | **Wall** | | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 2 | 371.80 | 0.15 | 0.65 | 72.50 | | |
| | G Ramaiah Layout main road- W0761 west SIDE (From Hesaraghatta Main Road) | | 2 | 262.30 | 0.15 | 0.65 | 51.15 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 2 | 3.50 | 0.15 | 0.65 | 0.68 | | |
| | Best county II, 1st B main road - W0789 West side ( from vinayaka temple road) | | 2 | 174.60 | 0.15 | 0.65 | 34.05 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 2 | 226.70 | 0.15 | 0.60 | 40.81 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 2 | 221.40 | 0.15 | 0.63 | 41.84 | | |
| | Best county II, 2nd main road-W0781 West side ( from 1st cross road ) | | 2 | 221.20 | 0.15 | 0.60 | 39.82 | | |
| | Best county II, 3rd main road - W0775 East side ( from vinayaka temple road ) | | 2 | 200.10 | 0.15 | 0.60 | 36.02 | | |
| | Best county II,3rd main road -W0775 - W0775 west side ( from 1cross road ) | | 2 | 223.40 | 0.15 | 0.60 | 40.21 | | |
| | vinayaka temple road- W0789 south side ( from 3rd main road ) | | 2 | 40.90 | 0.15 | 0.60 | 7.36 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 2 | 50.00 | 0.15 | 0.60 | 9.00 | | |

| | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | In Rs | In Rs |
| | Cross Road | | 2 | 110.00 | 0.15 | 0.60 | 19.80 | | |
| | **Culvert Raft** | | 11 | 6.94 | 1.40 | 0.25 | 26.72 | | |
| | **Culvert Wall** | | 22 | 6.94 | 0.25 | 0.50 | 19.09 | | |
| | | | | | | | **749.35** | 7070.20 | **5298051.54** |
| | Approved Rate Rs.= | 7070.20 | | | | | | | |
| 5 | supplying and fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and downside graded granite metal using reinforcement 10mm dia steel at 150mm c/cboth ways cost of transportation, hire charges of machinary, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of materials. | | | | | | | | |
| | **RCC Drain** | Sqm | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 350.00 | 0.90 | -- | 315.00 | | |
| | G Ramaiah Layout main road- W0761 west SIDE (From Hesaraghatta Main Road) | | 1 | 226.00 | 0.90 | -- | 203.40 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | 0.90 | -- | 3.15 | | |
| | Best county II, 1st B main road - W0789 West side ( from vinayaka temple road) | | 1 | 118.70 | 0.90 | -- | 106.83 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 1 | 102.90 | 0.90 | -- | 92.61 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 1 | 100.70 | 0.90 | -- | 90.63 | | |
| | Best county II, 2nd main road-W0781 West side ( from 1st cross road ) | | 1 | 162.00 | 0.90 | -- | 145.80 | | |
| | Best county II, 3rd main road - W0775 East side ( from vinayaka temple road ) | | 1 | 88.10 | 0.90 | -- | 79.29 | | |
| | Best county II,3rd main road -W0775 - W0775 west side ( from 1cross road ) | | 1 | 161.60 | 0.90 | -- | 145.44 | | |
| | vinayaka temple road- W0789 south side ( from 3rd main road ) | | 1 | 40.90 | 0.90 | -- | 36.81 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 1 | 50.00 | 0.90 | -- | 45.00 | | |
| | Cross Road | | 1 | 110.00 | 0.90 | -- | 99.00 | | |
| | | | | | | | **1362.96** | 2337.00 | **3185237.52** |
| | Approved Rate Rs.= | 2337.00 | | | | | | | |
| 6 | providing and laying precast drain slabs of thick 250mm thick of mix M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finishing surface on both sides etc., completed as per drawing and direction of engineer in charge of work. | | | | | | | | |
| | | Sqm | | | | | | | |
| | **Culert** | | 11 | 7.27 | 1.20 | -- | 96.00 | | |
| | | | | | | | **96.00** | 5418.00 | **520128.00** |
| | Approved Rate Rs.= | 5418.00 | | | | | | | |
| 7 | Providing and fixing Pre cast solid concrete kerb stones of size 450 x 150 x 400 mmmade out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. | | | | | | | | |
| | | Nos | | | | | | | |
| | **Kerb Stone** | | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 362.00 | -- | -- | 362.00 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.80 | -- | -- | 3.80 | | |

| | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | in Rs | in Rs |
| | G Ramaiah Layout main road- W0761 West SIDE (From Hesaraghatta Main Road) | | 1 | 326.00 | -- | -- | 326.00 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | -- | -- | 3.50 | | |
| | Best county II, 1st B main road - W0789 west side (from vinayaka temple road) | | 1 | 174.00 | -- | -- | 174.00 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 1 | 226.70 | -- | -- | 226.70 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 1 | 221.40 | -- | -- | 221.40 | | |
| | Best county II, 2nd main road - W0781 West side ( from 1st cross road ) | | 1 | 210.00 | -- | -- | 210.00 | | |
| | Best county II, 3rd main road - W0775 east side (from vinayaka temple road) | | 1 | 200.10 | -- | -- | 200.10 | | |
| | Best county II, 3rd main road - W0775 west side (from 1cross road) | | 1 | 200.00 | -- | -- | 200.00 | | |
| | vinayaka temple road south side (from 3rd main road) | | 1 | 40.90 | -- | -- | 40.90 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 1 | 50.00 | -- | -- | 50.00 | | |
| | | | | | | | 2018.40 | | |
| | Approved Rate Rs.= | 477.00 | | | | | **4485.00** | 477.00 | **2139345.00** |
| 8 | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. | | | | | | | | |
| | | Sqm | | | | | | | |
| | **Kerb Stone** | | | | | | | | |
| | G Ramaiah Layout main road- W0761 East SIDE (From Hesaraghatta Main Road) | | 1 | 362.00 | -- | 0.30 | 108.60 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.80 | -- | 0.30 | 1.14 | | |
| | G Ramaiah Layout main road- W0761 West SIDE (From Hesaraghatta Main Road) | | 1 | 326.00 | -- | 0.30 | 97.80 | | |
| | G Ramaiah Layout main road- W0761 North SIDE (Dead end) | | 1 | 3.50 | -- | 0.30 | 1.05 | | |
| | Best county II, 1st B main road - W0789 west side (from vinayaka temple road) | | 1 | 174.00 | -- | 0.30 | 52.20 | | |
| | Best county II, 1st main road - W0787 West side ( from 1st cross road) | | 1 | 226.70 | -- | 0.30 | 68.01 | | |
| | Best county II, 2nd main road - W0781 East side ( from vinayaka temple road ) | | 1 | 221.40 | -- | 0.30 | 66.42 | | |
| | Best county II, 2nd main road - W0781 West side ( from 1st cross road ) | | 1 | 210.00 | -- | 0.30 | 63.00 | | |
| | Best county II, 3rd main road - W0775 east side (from vinayaka temple road) | | 1 | 200.10 | -- | 0.30 | 60.03 | | |
| | Best county II, 3rd main road - W0775 west side (from 1cross road) | | 1 | 200.00 | -- | 0.30 | 60.00 | | |
| | vinayaka temple road south side (from 3rd main road) | | 1 | 40.90 | -- | 0.30 | 12.27 | | |
| | vinayaka temple road- W0789 North side ( from 3rd main road ) | | 1 | 50.00 | -- | 0.30 | 15.00 | | |
| | Approved Rate Rs.= | 84.80 | | | | | **605.49** | 84.80 | **51345.55** |

| | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | in Rs | in Rs |
| | KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. | | | | | | | | |
| | **Road** | Cum | | | | | | | |
| | | | | | | | 0.00 | | |
| | | | | | | | **0.00** | 57.03 | **0.00** |
| | Approved Rate Rs.= | 57.03 | | | | | | | |
| 10 | Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC,spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. | | | | | | | | |
| | **Road** | Cum | | | | | | | |
| | | | | | | | 0.00 | | |
| | | | | | | | **0.00** | 1855.00 | **0.00** |
| | Approved Rate Rs = | 1855.00 | | | | | | | |
| 11 | KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. | | | | | | | | |
| | **Road** | Cum | | | | | | | |
| | | | | | | | 0.00 | | |
| | | | | | | | **0.00** | 2001.28 | **0.00** |
| | Approved Rate Rs.= | 2001.28 | | | | | | | |
| 12 | KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. | | | | | | | | |
| | **Road** | Sqm | | | | | | | |
| | | | | | | | 0.00 | | |
| | | | | | | | **0.00** | 33.92 | **0.00** |
| | Approved Rate Rs.= | 33.92 | | | | | | | |
| 13 | KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. | | | | | | | | |
| | **Road** | Sqm | | | | | | | |
| | | | | | | | 0.00 | | |
| | | | | | | | **0.00** | 5.30 | **0.00** |
| | Approved Rate Rs.= | 5.30 | | | | | | | |
| 14 | KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer / tack coat & including lead, lift and cost of all materials, labour, HOM complete as per specifications. 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.4% VG-30 Bitumen | | | | | | | | |
| | **Road** | Cum | | | | | | | |
| | | | | | | | 0.00 | | |
| | | | | | | | **0.00** | 7428.48 | **0.00** |

| | Description of work | Unit | No | Length | Breadth | Depth | Quantity | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | m | m | m | | In Rs | in Rs |
| | KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications | | | | | | | | |
| | **Road** | Sqm | | | | | | | |
| | | | | | | | 0.00 | | |
| | Approved Rate Rs.= | 12.72 | | | | | **0.00** | 12.72 | **0.00** |
| | Approved Rate Rs.= | 7428.48 | | | | | | | |
| 16 | KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. clause No. 507 of MORTH V revision & IRC-SP-53-2010. - using40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (30 mm to 45mm) with 5.4% CRMB 55 (Pg:162, It.No-21.23.6 PWD SR:2018-19)Issue Rates | | | | | | | | |
| | **Road** | Cum | | | | | | | |
| | | | | | | | 0.00 | | |
| | Approved Rate Rs.= | 8831.92 | | | | | **0.00** | 8831.92 | **0.00** |
| 17 | KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page No. 182/ Item No. 24.15 PWD SR 2018-19 | | | | | | | | |
| | **Road** | Sqm | | | | | | | |
| | | | | | | | 0.00 | | |
| | Approved Rate Rs.= | 454.74 | | | | | **0.00** | 454.74 | **0.00** |
| | | | | | | | | Sub Total 1 Rs. | **16894922.45** |
| | | | | | | | | Miscellaneous & Rounding off | **519.05** |
| | | | | | | | | Total Rs. | **16895441.50** |

Assistant Engineer
Ward 03
BBMP

Assistant Executive Engineer
Yelahanka Satellite Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

Executive Engineer-3
KRIDL, Bangalore

Technical Sanction
Accorded For Rs 16895441.50
Head of A/C 3374
CER NO: 34 Dt 03-11-2020

EE (TA)

## Bruhat Bangalore Mahanagara Palike
## Excecutive Engineer Yelahanka Division

**Construction of RCC drains and culverts at Best county-II and III and G-Ramaiah layout, sai Archid and surrounding area in ward no: 03 Yelahanka satellite Town Sub division**

### Modified Schedule - B

| Sl No | Description of Item | Unit | Quantity | Rate, Rs | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 1 | KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. | Cum | 2527.91 | 211.79 | Rupees Two Hundred Eleven And Paise Seventy Nine Only |
| 2 | KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing including cost of materials, labour, HOM complete as per the specification | Cum | 410.54 | 4479.56 | Rupees Four Thousand Four Hundred Seventy Nine And Paise Fifty Six Only |
| 3 | KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. | Tn | 45.99 | 72326.98 | Rupees Seventy Two Thousand Three Hundred Twenty Six And Paise Ninety Eight Only |
| 4 | Providing and laying plain/reinforced cement concrete for side drains wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs with 29mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregate at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. | Cum | 749.35 | 7070.20 | Rupees Seven Thousand Seventy And Paise Twenty Only |
| 5 | Supplying and fixing precast reinforced concrete slab 10cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges , labour charges inclusive of cost of cost | Sqm | 1362.96 | 2337.00 | Rupees Two Thousand Three Hundred Thirty Seven Only |
| 6 | Providing and laying Pre Cast Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed) | Sqm | 96.00 | 5418.00 | Rupees Five Thousand Four Hundred Eighteen Only |
| 7 | Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete. | Nos | 4485.00 | 477.00 | Rupees Four Hundred Seventy Seven Only |
| 8 | KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per | Sqm | 605.49 | 84.80 | Rupees Eighty Four And Paise Eighty Only |

Executive Engineer-3
KRIDL, BBMP, Bangalore

Executive Engineer
Yelahanka Division
BBMP